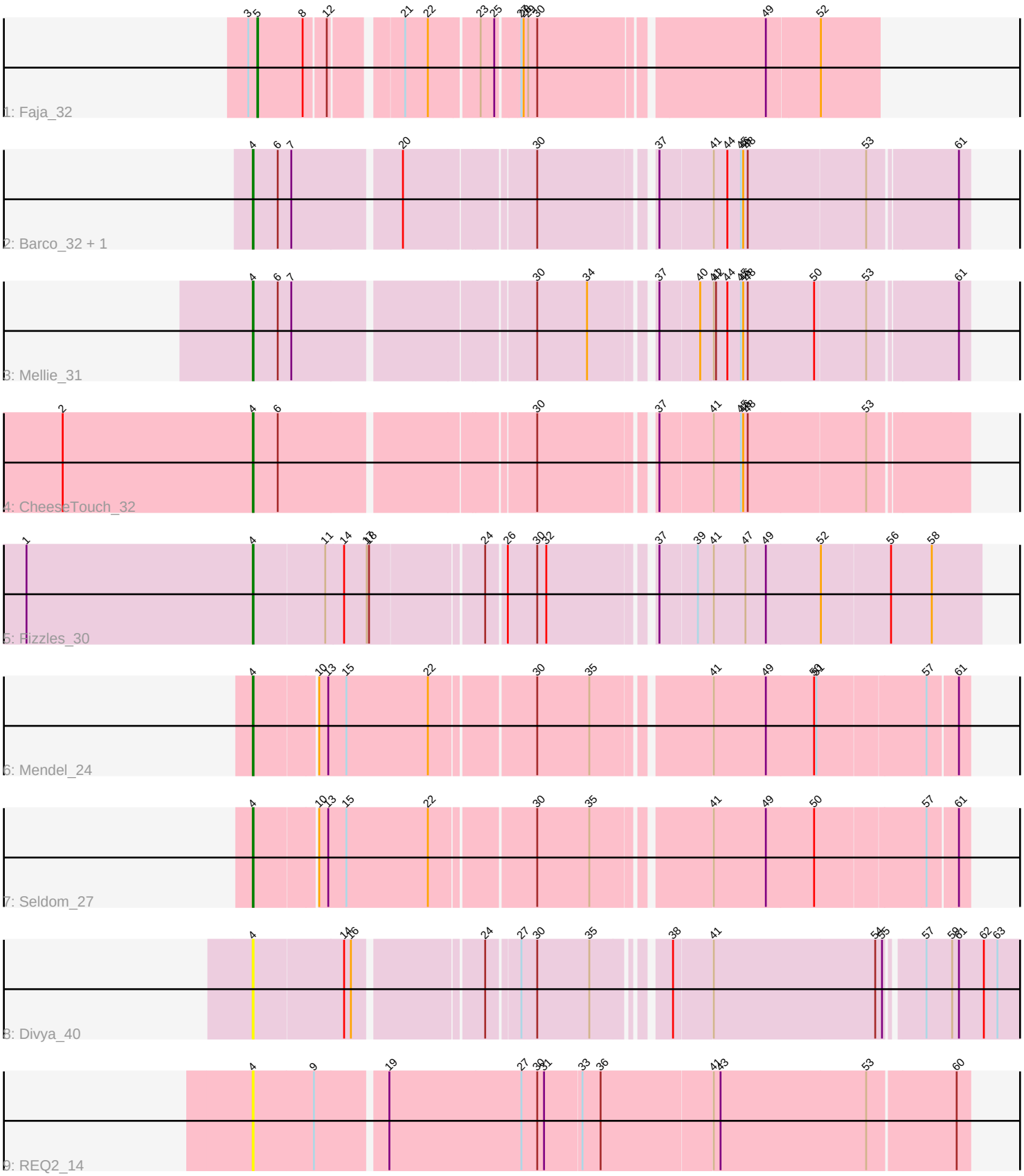
Pham 278831


1: Faja_32
2: Barco_32 + 1
3: Mellie_31
4: CheeseTouch_32
5: Rizzles_30
6: Mendel_24
7: Seldom_27
8: Divya_40
9: REQ2_14

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 278831 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278831 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Faja_32
• Track 2 : Barco_32, Zilla_32
• Track 3 : Mellie_31
• Track 4 : CheeseTouch_32
• Track 5 : Fizzles_30
• Track 6 : Mendel_24
• Track 7 : Seldom_27
• Track 8 : Divya_40
• Track 9 : REQ2_14

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barco_32, CheeseTouch_32, Divya_40, Fizzles_30, Mellie_31, Mendel_24, REQ2_14, Seldom_27, Zilla_32,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Faja_32,

Summary by start number:

Start 4:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barco_32 (CV), CheeseTouch_32 (DN1), Divya_40 (FL), Fizzles_30 (EG), Mellie_31 (CV), Mendel_24 (FD), REQ2_14 (singleton), Seldom_27 (FD), Zilla_32 (CV),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faja_32 (AY),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, EG, DN1, AY, FD, FL, CV,

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster CV:
•Start number 4 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster DN1:
•Start number 4 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster FD:
•Start number 4 was manually annotated 2 times for cluster FD.

Gene Information:

Gene: Barco_32 Start: 26939, Stop: 27814, Start Num: 4
Candidate Starts for Barco_32:
(Start: 4 @26939 has 6 MA's), (6, 26972), (7, 26990), (20, 27125), (30, 27287), (37, 27425), (41, 27491), (44, 27509), (45, 27527), (46, 27530), (48, 27536), (53, 27689), (61, 27800),

Gene: CheeseTouch_32 Start: 24869, Stop: 25744, Start Num: 4
Candidate Starts for CheeseTouch_32:
(2, 24617), (Start: 4 @24869 has 6 MA's), (6, 24902), (30, 25217), (37, 25355), (41, 25421), (45, 25457), (46, 25460), (48, 25466), (53, 25619),

Gene: Divya_40 Start: 29068, Stop: 29997, Start Num: 4
Candidate Starts for Divya_40:
(Start: 4 @29068 has 6 MA's), (14, 29185), (16, 29194), (24, 29350), (27, 29389), (30, 29410), (35, 29479), (38, 29560), (41, 29608), (54, 29821), (55, 29830), (57, 29872), (59, 29905), (61, 29914), (62, 29947), (63, 29965),

Gene: Faja_32 Start: 23314, Stop: 24066, Start Num: 5
Candidate Starts for Faja_32:
(3, 23302), (Start: 5 @23314 has 1 MA's), (8, 23374), (12, 23401), (21, 23482), (22, 23512), (23, 23575), (25, 23593), (27, 23620), (28, 23623), (29, 23629), (30, 23641), (49, 23920), (52, 23989),

Gene: Fizzles_30 Start: 19351, Stop: 20256, Start Num: 4

Candidate Starts for Fizzles_30:
(1, 19051), (Start: 4 @19351 has 6 MA's), (11, 19444), (14, 19468), (17, 19498), (18, 19501), (24, 19642), (26, 19663), (30, 19702), (32, 19714), (37, 19840), (39, 19888), (41, 19906), (47, 19948), (49, 19975), (52, 20047), (56, 20137), (58, 20191),

Gene: Mellie_31 Start: 26706, Stop: 27581, Start Num: 4
Candidate Starts for Mellie_31:
(Start: 4 @26706 has 6 MA's), (6, 26739), (7, 26757), (30, 27054), (34, 27120), (37, 27192), (40, 27243), (41, 27258), (42, 27261), (44, 27276), (45, 27294), (46, 27297), (48, 27303), (50, 27390), (53, 27456), (61, 27567),

Gene: Mendel_24 Start: 17434, Stop: 18315, Start Num: 4
Candidate Starts for Mendel_24:
(Start: 4 @17434 has 6 MA's), (10, 17512), (13, 17524), (15, 17548), (22, 17656), (30, 17785), (35, 17854), (41, 17992), (49, 18061), (50, 18124), (51, 18127), (57, 18265), (61, 18301),

Gene: REQ2_14 Start: 9904, Stop: 10818, Start Num: 4
Candidate Starts for REQ2_14:
(Start: 4 @9904 has 6 MA's), (9, 9982), (19, 10069), (27, 10243), (30, 10264), (31, 10273), (33, 10321), (36, 10345), (41, 10489), (43, 10498), (53, 10690), (60, 10801),

Gene: Seldom_27 Start: 18060, Stop: 18941, Start Num: 4
Candidate Starts for Seldom_27:
(Start: 4 @18060 has 6 MA's), (10, 18138), (13, 18150), (15, 18174), (22, 18282), (30, 18411), (35, 18480), (41, 18618), (49, 18687), (50, 18750), (57, 18891), (61, 18927),

Gene: Zilla_32 Start: 26956, Stop: 27831, Start Num: 4
Candidate Starts for Zilla_32:
(Start: 4 @26956 has 6 MA's), (6, 26989), (7, 27007), (20, 27142), (30, 27304), (37, 27442), (41, 27508), (44, 27526), (45, 27544), (46, 27547), (48, 27553), (53, 27706), (61, 27817),